

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new, non-provisional applications under 37 C.F.R. § 1.53(b))</small>		Attorney Docket No. <span style="float: right;">AFD 613</span>	
		First Inventor or Application Identifier <span style="float: right;">Frederick R. Schauer</span>	
		Title <span style="float: right;">HYBRID PISTON-PULSED DETONATION ENGINE</span>	
		Express Mail Label No. <span style="float: right;">EE380648378US</span>	

**APPLICATION ELEMENTS**

*See MPEP chapter 600 concerning utility patent application contents*

**ADDRESS TO:**

MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. <input checked="" type="checkbox"/> *Fee Transmittal Form (e.g., PTO/SB/17) 2. <input type="checkbox"/> Applicant claims small entity status (See 37 CFR 1.27) 3. <input checked="" type="checkbox"/> Specification [ Total Pages <span style="border: 1px solid black; padding: 0 5px;">13</span> ] (Preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [ Total Sheets <span style="border: 1px solid black; padding: 0 5px;">4</span> ] 5. Oath or Declaration [ Total Pages <span style="border: 1px solid black; padding: 0 5px;">1</span> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;"><b>ACCOMPANYING APPLICATION PARTS</b></p>         9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))          10. <input type="checkbox"/> 37 CFR 1.373(b) Statement <input checked="" type="checkbox"/> Power of Attorney          11. <input type="checkbox"/> English Translation Document (if applicable)          12. <input type="checkbox"/> Information Disclosure Statement (IDS) PTO/SB/08A <input type="checkbox"/> Copies of IDS Citations          13. <input type="checkbox"/> Preliminary Amendment          14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be itemized)          15. <input type="checkbox"/> Certified Copy of Priority Document(s)          16. <input checked="" type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach for PTO/SB/35 or its equivalent.          17. <input type="checkbox"/> Other: _____       </div>
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**18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76**

☐ Continuation   
 ☐ Divisional   
 ☐ Continuation in Part (CIP)   
 of prior application No: \_\_\_\_\_  
 Prior application information:    Examiner \_\_\_\_\_    Group / Art Unit \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5B, is considered to be a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<b>26902</b> <small>(Insert Customer No. here)</small>		or <input type="checkbox"/> Correspondence address below	
Name		BOBBY D. SCEARCE			
Address		AFMCLO/JAZ BLDG 11, ROOM 100 2240 B STREET			
City	WRIGHT-PATTERSON AFB	State	OH	Zip Code	45433-7109
Country	U.S.A.	Telephone	(937) 255-2838	Fax	(937) 255-3733

Name (Print / Type)	BOBBY D. SCEARCE	Registration No. (Attorney / Agent)	26,333
Signature			Date <span style="font-size: 1.2em;">11/12/2023</span>

the PTO did not receive the following listed item(s): ABST

 11203  
 10706192  
 U.S. PTO

<div style="display: flex; align-items: center;"> <div> <b>FEE TRANSMITTAL</b>  <b>for FY 2004</b>  <small>Patent fees are subject to annual revision.</small> </div> </div>				<b>Complete if Known</b>																																																																																																																																																																																																					
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ADDITIONAL FEES</b>  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner Action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr><td colspan="6">*Reduced by Basic Filing Fee Paid</td></tr> <tr><td colspan="6" style="text-align: right;"><b>SUBTOTAL (3)</b>    \$    -0-</td></tr> </tbody> </table>				Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - 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<b>The Commissioner is authorized to: (check all that apply)</b> <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, <b>except for the filing fee</b> to the above-identified deposit account																																																																																																																																																																																																									
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**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor Frederick R. schauer  
Title Hybrid Piston-Pulsed Detonation Engine  
Atty Docket Number AFD 613

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 1.22(b).

11/12/2003  
Date

Bobby D. Scarce  
Signature

Bobby D. Scarce  
Registration No. 26333  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and be submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 US.C. 122(b)(2)(B)(iii)).**